



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Wong, et al.

Examiner: Unassigned

Serial No.: 10/615,492

Group Art Unit: Unassigned

Filed: July 7, 2003

Docket: 178-321

For: CARBON NANOTUBE ADDUCTS
AND METHODS OF MAKING THE
SAME

Dated: January 16, 2004

Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I hereby certify this correspondence is being deposited
with the United States Postal Service as first class mail,
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on 1/16/04

Signature:

INFORMATION DISCLOSURE STATEMENT

Sir:

In order to fulfill the requirements of candor and good faith set forth in 37 C.F.R. § 1.56, Applicants submit herewith the following Information Disclosure Statement and Form PTO-1449 in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98.

NON-PATENT PUBLICATIONS

1. Banarjee et al., "Functionalization of Carbon Nanotubes with a Metal-Containing Molecular Complex" *Nano Lett.*, 2(1):49-53 (November 1, 2001).
2. Banarjee et al., "Rational Sidewall Functionalization and Purification of Single-Walled Carbon Nanotubes by Solution-Phase Ozonolysis" *J. Phys. Chem. B*, 106:12144-12151 (November 1, 2002).
3. Banarjee et al., "Structural Characterization, Optical Properties, and Improved Solubility of Carbon Nanotubes Functionalized with Wilkinson's Catalyst" *J. Am. Chem. Soc.*, 124:8940-8948 (July 4, 2002).
4. Banarjee et al., "Synthesis and Characterization of Carbon Nanotube-Nanocrystal Heterostructures" *Nano Lett.*, 2(3):195-200 (January 12, 2002).

5. Kahn et al., "Solubilization of Oxidized Single-Walled Carbon Nanotubes in Organic and Aqueous Solvents through Organic Derivatization" *Nano Lett.*, 2(11):1215-1218 (October 2, 2002).
6. Sinnott, Susan B., "Chemical functionalization of carbon nanotubes" *Journal of Nanoscience and Nanotechnology*, 2(2):113-123 (2002).
7. Chen et al., "Chemical attachment of organic functional groups to single-walled carbon nanotube material" *J. Mater. Res.*, 13(9):2423-2431 (Sept. 1998).
8. Ebbesen, Thomas W., "Wetting, filling and decorating carbon nanotubes" *Journal of Physics and Chemistry of Solids*, 57(6-8, Proceedings of the 8th International Symposium on Intercalation Compounds, 1995):951-955 (1996).
9. Holzinger et al., "Sidewall Functionalization of Carbon Nanotubes" *Angew. Chem. Int. Ed.*, 40(21):4002-4005 (2001).
10. Chen et al., "Dissolution of Full-Length Single-Walled Carbon Nanotubes" *J. Phys. Chem. B*, 105:2525-2528 (March 10, 2001).
11. Chen, et al., "Noncovalent Sidewall Functionalization of Single-Walled Carbon Nanotubes for Protein Immobilization" *J. Am. Chem. Soc.*, 123:3838-3839 (April 18, 2001).
12. Wong, et al., "Covalently-Functionalized Single-Walled Carbon Nanotube Probe Tips for Chemical Force Microscopy" *J. Am. Chem. Soc.*, 120:8557-8558 (August 5, 1998).
13. Chen, et al., "Solution Properties of Single-Walled Carbon Nanotubes" *Science (Washington, D.C.)*, 282:95-98 (October 2, 1998).
14. Riggs, et al., "Strong Luminescence of Solubilized Carbon Nanotubes" *J. Am. Chem. Soc.* 122:5879-5880 (June 2, 2000).
15. Hamon, et al., "Dissolution of Single-Walled Carbon Nanotubes" *Adv. Mater. (Weinheim, Ger.)*, 11(10):834-840.
16. Mickelson, et al., "Fluorination of single-wall carbon nanotubes" *Chem. Phys. Lett.*, 296:188-194 (October 30, 1998).
17. Boul, et al., "Reversible sidewall functionalization of buckytubes" *Chem. Phys. Lett.*, 310:367-372 (September 3, 1999).
18. Pompeo, et al., "Water Solubilization of Single-Walled Carbon Nanotubes by Functionalization with Glucosamine" *Nano Lett.*, 2(4):369-373 (January 26, 2002).
19. Bandyopadhyaya, et al., "Stabilization of Individual Carbon Nanotubes in Aqueous Solutions" *Nano Lett.*, 2(1):25-28 (November 22, 2001).

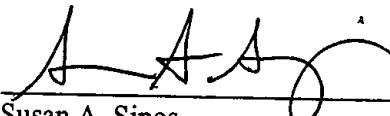
JAN 20 1999
PATENT & TRADEMARK OFFICE

Copies of the references set forth above are enclosed herewith and a separate listing of the same has been set forth on the attached Form PTO-1449. The Examiner is respectfully requested to consider these references in their entireties, and to indicate that he or she has done so by initialing the enclosed Form PTO-1449.

In view of the present submission, it is believed that the present application is in all respects complete, and in condition for examination and favorable consideration.

If the Examiner has any questions or comments relating to the present invention, he or she is respectfully invited to contact Applicants' attorney at the telephone number set forth below.

Respectfully submitted,



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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 2-32) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.
178-321

SERIAL NO.
10/615,492

APPLICANT
Stanislaus Wong

CONFIRMATION NO.
8977

FILING DATE
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GROUP
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U.S. PATENT PUBLICATIONS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Banarjee et al., "Functionalization of Carbon Nanotubes with a Metal-Containing Molecular Complex" <i>Nano Lett.</i> , 2(1):49-53 (November 1, 2001).
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.



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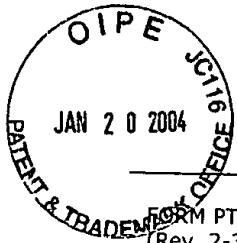
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